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John Colter, Netscape Navigator

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agent +(hibernate or dormant or suspended) +(recover or retri...



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7

158,63

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1 [System support for pervasive applications](#)

Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Thomas Anderson, Brian Bershad, Gaetano Borriello, Steven Gribble, David Wetherall

 November 2004 **ACM Transactions on Computer Systems (TOCS)**, Volume 22 Issue 4

 Full text available: [pdf\(1.82 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Pervasive computing provides an attractive vision for the future of computing. Computational power will be available everywhere. Mobile and stationary devices will dynamically connect and coordinate to seamlessly help people in accomplishing their tasks. For this vision to become a reality, developers must build applications that constantly adapt to a highly dynamic computing environment. To make the developers' task feasible, we present a system architecture for pervasive computing, called & ...

Keywords: Asynchronous events, checkpointing, discovery, logic/operation pattern, migration, one.world, pervasive computing, structured I/O, tuples, ubiquitous computing

2 [Mobile services: Reincarnating PCs with portable SoulPads](#)

Ramón Cáceres, Casey Carter, Chandra Narayanaswami, Mandayam Raghunath

 June 2005 **Proceedings of the 3rd international conference on Mobile systems, applications, and services MobiSys '05**

 Full text available: [pdf\(199.97 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#)

The ability to walk up to any computer, personalize it, and use it as one's own has long been a goal of mobile computing research. We present *SoulPad*, a new approach based on carrying an auto-configuring operating system along with a suspended virtual machine on a small portable device. With this approach, the computer boots from the device and resumes the virtual machine, thus giving the user access to his personal environment, including previously running computations. *SoulPad* ha ...

3 [Protecting applications with transient authentication](#)

Mark D. Corner, Brian D. Noble

 May 2003 **Proceedings of the 1st international conference on Mobile systems, applications and services MobiSys '03**

 Full text available: [pdf\(294.40 KB\)](#)

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How does a machine know who is using it? Current systems authenticate their users infrequently, and assume the user's identity does not change. Such *persistent authentication* is

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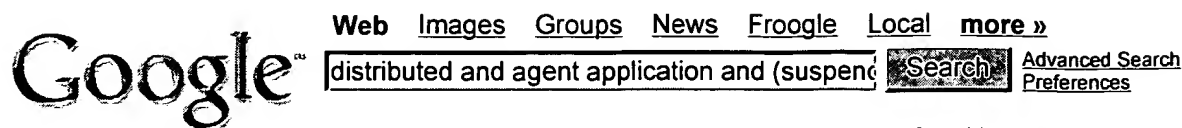
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- #4 (agent and (split or spin or sprawn) and (hibernate or frozen or dormant or su...

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When we add to this the growing requirement for world-wide **distributed** ...

that I/O is **suspended** for whatever reason, the whole **application** gets **suspended**. ...

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The mobile **applications** are more akin to mobile **agents**: they are uniquely ...

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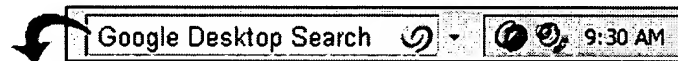
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